

**MEANS AND METHODS FOR MONITORING
NON-NUCLEOSIDE REVERSE TRANSCRIPTASE
INHIBITOR ANTIRETROVIRAL THERAPY AND GUIDING
THERAPEUTIC DECISIONS IN THE TREATMENT OF HIV/AIDS**

Abstract of the Invention

[00136] This invention relates to methods for assessing the effectiveness of non-nucleoside reverse transcriptase inhibitor on an HIV that rely on detection of combinations of mutations in HIV reverse transcriptase associated with altered susceptibility to such compounds. In some embodiments, the combinations of mutations include various combinations of mutations at codons 190, 101, 130, and 98 of HIV reverse transcriptase.